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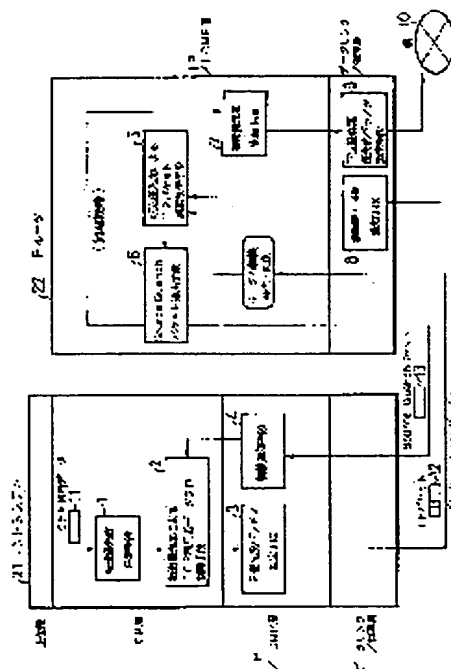
YOSHIDA ATSUMASA

(54) PRIORITY CONTROL SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To perform priority control of data transfer corresponding to traffic characteristics by high-order application kinds for congestion inside an IP (internet protocol) router or network congestion.

SOLUTION: A transfer priority decision means 1 decides transfer priority corresponding to the traffic characteristics of data from a high-order layer and an IP priority parameter setting means 3 maps the transfer priority to a precedence parameter 14 and sends out an IP packet 12 to the IP router 22. An IP packet abandonment control means 5 by the transfer priority checks the precedence parameter 14 and controls the abandonment of the IP packet 12 of low transfer priority and a Source Quench packet send-out means 6 informs the end system 21 of a transmission origin of the abandonment generation of the IP packet 12 by a Source Quench packet 13. A TCP user data flow control means 2 by the transfer priority controls the transmission suppression of the TCP user data 11 of the low transfer priority.



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